ROTOR SLOT INSULATION FOR TURBINE-GENERATORS AND METHOD AND SYSTEM OF MANUFACTURE

Abstract

A slot armor component for use in a rotor of a dynamo-electric machine comprises a profile extruded material having a first leg portion and a second leg portion disposed at an angle to the first leg portion, the second leg portion being shorter and thicker than the first leg portion. The material may be glass-filled polyetheretherketone (PEEK) such as a less than or equal to 30% (â□¤30%) glass-filled polyetheretherketone (PEEK). Alternatively, the material may be unfilled polyetheretherketone (PEEK), glass-filled Ultem such as less than or equal to 30% (â□¤30%) glass-filled Ultem, or unfilled Ultem.